

CLAIMS

- 1 1. A roller stop for a sectional door having a plurality of hinged panels, rollers
2 attached to the panels, and a pair of tracks receiving the rollers for guiding
3 the sectional door between a closed vertical position and an open
4 horizontal position, the roller stop comprising, a body portion, and at least
5 one clamping member associated with said body portion adapted to
6 engage one of the tracks, wherein said body portion is adapted to contact
7 at least one of the rollers to temporarily maintain the sectional door in a
8 predetermined position.

- 1 2. A roller stop according to claim 1, wherein a first clamping member and
2 a second clamping member are adapted to attach the roller stop to the
3 tracks.

- 1 3. A roller stop according to claim 2, wherein said first clamping member
2 includes a first extension arm springingly related to a first opposed section,
3 and said second clamping member includes a second extension arm
4 springingly related to a second opposed section.

- 1 4. A roller stop according to claim 3, wherein a first tab is provided in said
2 first extension arm and a second tab is provided in said second extension
3 arm, said first tab and said second tab adapted to crimpingly engage the
4 tracks.

- 1 5. A roller stop according to claim 1, wherein said body portion is ribbon-
2 shaped and includes a concave portion interposed between a first convex
3 portion and a second convex portion, said concave portion being adapted
4 to receive the rollers.

- 1 6. A roller stop according to claim 5, wherein when the sectional door is
2 located in said predetermined position, said first convex portion and said
3 second convex portion are adapted to trap the rollers in said concave
4 portion.
- 1 7. A sectional door system comprising, a sectional door having a plurality of
2 adjacent panels hinged for moving between a closed substantially vertical
3 position and a open substantially horizontal position, rollers attached to
4 the panels, a pair of tracks for receiving and guiding said rollers, and a
5 roller stop to temporarily hold the sectional door in a predetermined
6 position.
- 1 8. A sectional door system according to claim 7, wherein said roller stop is
2 attached to said tracks.
- 1 9. A sectional door system according to claim 7, wherein said tracks include
2 vertical track portions and horizontal track portions, and said roller stop
3 is attached to said horizontal track portions.
- 1 10. A sectional door system according to claim 7, wherein said roller stop
2 includes a ribbon-shaped body, and a first clamping member and second
3 clamping member extending outwardly from either end of said ribbon-
4 shaped body, said ribbon-shaped body being adapted to trap said rollers.
- 1 11. A sectional door system according to claim 10, wherein said first clamping
2 member and said second clamping member attach said roller stop to said
3 tracks.

- 1 12. A sectional door system according to claim 11, wherein said first clamping
2 member includes a first extension arm and a first opposed section and said
3 second clamping member includes a second extension arm and a second
4 opposed section.
- 1 13. A sectional door system according to claim 12, wherein a first tab is
2 provided in said first extension arm and a second tab is provided in said
3 second extension arm, said first tab and said second tab being crimped to
4 engage said tracks.
- 1 14. A sectional door system according to claim 7, wherein said roller stop has
2 a ribbon-shaped body including a concave portion interposed between a
3 first convex portion and a second convex portion, said concave portion
4 being adapted to receive said rollers.
- 1 15. A sectional door system according to claim 14, wherein when said
2 sectional door is located in said predetermined position, said rollers are
3 trapped between said first convex portion and said second convex portion
4 proximate said concave portion.
- 1 16. A method for temporarily positioning hinged panels of a sectional door for
2 a building opening in a substantially horizontal open position, comprising
3 the steps of;
4 moving the sectional door by transitioning the panels along tracks
5 from a substantially vertical closed position toward the substantially
6 horizontal open position;

7 displacing the door in the tracks to said substantially horizontal
8 open position where the door does not hang down into the building
9 opening; and
10 temporarily restraining the door in said substantially horizontal
11 open position without hang down into the building opening.

1 17. A method for temporarily positioning hinged panels of a sectional door
2 according to claim 16, wherein said step of displacing the door in the
3 tracks includes the step of overcoming the counterbalance force tending
4 to return the door to a hang down position.

1 18. A method for temporarily positioning hinged panels of a sectional door
2 according to claim 16, wherein said step of temporarily restraining the
3 door in the substantially horizontal open position includes the step of
4 counteracting the counterbalance force tending to return the door to a
5 hand down position.

1 19. A sectional door system comprising, a sectional door having a plurality of
2 adjacent panels hinged for moving between a closed substantially vertical
3 position and a open substantially horizontal position, rollers attached to
4 the panels, a pair of tracks for receiving and guiding said rollers, and stop
5 means for temporarily holding said sectional door in a predetermined
6 position.

1 20. A sectional door system according to claim 19, wherein said stop means
2 includes a body portion having a concave portion interposed between a
3 pair of convex portions serving to restrain travel of said rollers.

- 1 21. A sectional door system according to claim 19, wherein said stop means
2 includes means for attaching said stop means to said tracks.
- 1 22. A sectional door system according to claim 21, wherein said means for
2 attaching said stop means to said tracks includes at least one clamping
3 member.